

CLAIMS

1. A hermetic compressor comprising:
a compressor body;
a suction pipe connected to one side of the compressor body for
5 supplying a refrigerant to the compressor body; and
a suction pipe support unit composed of a bracket fixed to an outer
circumferential surface of the compressor body for supporting the suction pipe,
and a strap respectively mounted at both end portions of the bracket and having
a bending part supported at an outer circumferential surface of the suction pipe
10 and integrally formed at the center portion of the strap.
2. The hermetic compressor of claim 1, wherein the bracket has
a center portion fixed to an outer surface of the compressor body by a welding,
and is provided with a bolt coupling hole for coupling a bolt at one end portion
15 thereof.
3. The hermetic compressor of claim 1, wherein the strap has a
center portion bent with a certain angle and is provided with a bending part
integrally formed towards a longitudinal direction, and the strap is provided with
20 an engaging hole inserted into the bracket at one end portion thereof and is
provided with a bolt penetration hole for passing a bolt at another end portion
thereof.

4. The hermetic compressor of claim 3, wherein the bending part is formed as a shape cut with a certain length by a pressing processing towards a longitudinal direction at a center of the strap thus to be plastically deformed to be supported at an outer circumferential surface of the suction pipe.

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5. The hermetic compressor of claim 3, wherein a vibration-proof member for absorbing vibration transmitted to the suction pipe from the compressor body is installed between an inner circumferential surface of the bending part and an outer circumferential surface of the suction pipe.

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6. The hermetic compressor of claim 5, wherein the vibration-proof member of the suction pipe support unit is formed of a rubber material of a ring shape having a certain thickness.

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7. The hermetic compressor of claim 1, wherein the suction pipe support unit is composed of a bracket fixed to the compressor body and a strap having both end portions mounted at the bracket and having a center portion for supporting the suction pipe, the strap is composed of a first supporting portion and a second supporting portion formed accordingly as one member is overlapped as double layers, and the suction pipe is supported between the first supporting portion and the second supporting portion.

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8. The hermetic compressor of claim 7, wherein the bracket has a

center portion fixed to an outer circumferential surface of the compressor body by a welding, and is provided with an insertion hole for inserting the strap at one end portion thereof and is provided with a bolt coupling hole for coupling a bolt at another end portion thereof.

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9. The hermetic compressor of claim 8, wherein the first supporting portion is positioned at an outer side of the suction pipe and the second supporting portion is positioned at an inner side of the suction pipe, one end portion of the overlapped part of the first supporting portion and the second
10 supporting portion is provided with an engaging portion inserted into the insertion hole of the bracket, and another end portions of the first supporting portion and the second supporting portion are respectively provided with bolt penetration holes coupled to the bolt coupling holes by a bolt.

15 10. The hermetic compressor of claim 9, wherein the first supporting portion is bent with a certain angle to support an outer circumferential surface outside of the suction pipe, and a mounting unit for mounting an outer circumferential surface inside of the suction pipe is formed at a center portion of the second supporting portion.

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11. A hermetic compressor comprising:
a compressor body;
a suction pipe connected to one side of the compressor body for

supplying a refrigerant to the compressor body;

an accumulator connected to the suction pipe for preventing a liquid refrigerant from being introduced into the compressor body; and

a suction pipe support unit composed of a bracket fixed to an outer
5 circumferential surface of the compressor body for supporting the suction pipe,
and a strap respectively mounted at both end portions of the bracket and having
a bending part supported at an outer circumferential surface of the suction pipe
and integrally formed at a center portion of the strap.

10 12. The hermetic compressor of claim 11, wherein the suction pipe
support unit is composed of a bracket fixed to the compressor body and a strap
having both end portions mounted at the bracket and having a center portion for
supporting the suction pipe, the strap is composed of a first supporting portion
and a second supporting portion formed accordingly as one member is
15 overlapped as double layers, and the suction pipe is supported between the first
supporting portion and the second supporting portion.

13. A refrigerating cycle having a plurality of compressors, in which
a suction pipe for sucking a refrigerant is respectively connected to the
20 compressors and the suction pipe is supported at an outer circumferential
surface of the compressor by a suction pipe supporting unit.

14. The refrigerating cycle of claim 13, wherein a suction pipe

support unit is composed of a bracket fixed to an outer surface of the compressor, and a strap respectively mounted at both end portions of the bracket and having a bending part supported at an outer circumferential surface of the suction pipe and integrally formed at a center portion of the strap.

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15. The refrigerating cycle of claim 14, wherein the bracket has a center portion fixed to an outer surface of the compressor body by a welding, and is provided with a bolt coupling hole for coupling a bolt at one end portion thereof.

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16. The refrigerating cycle of claim 14, wherein the strap has a center portion bent with a certain angle and is provided with a bending part integrally formed towards a longitudinal direction, the strap is provided with an engaging hole inserted into the bracket at one end portion thereof, and is
15 provided with a bolt penetration hole for passing a bolt at another end portion thereof.

17. The refrigerating cycle of claim 14, wherein the bending part is formed as a shape cut with a certain length by a pressing processing towards a
20 longitudinal direction at the center of the strap thus to be plastically deformed to be supported at an outer circumferential surface of the suction pipe.

18. The refrigerating cycle of claim 14, wherein a vibration-proof

member for absorbing vibration transmitted to the suction pipe from the compressor body is installed between an inner circumferential surface of the bending part and an outer circumferential surface of the suction pipe.

- 5 19. The refrigerating cycle of claim 18, wherein the vibration-proof member of the suction pipe support unit is formed of a rubber material of a ring shape having a certain thickness.